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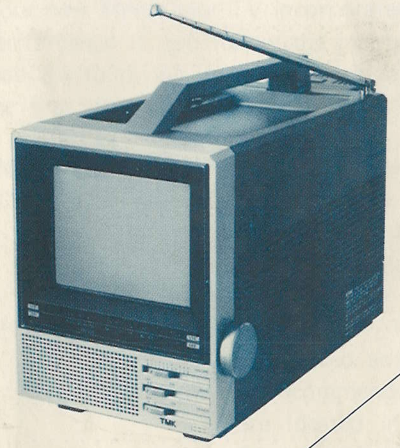
TMK 755C-83B



MODEL
TMK 755C

SOLID STATE
UHF/VHF
PORTABLE

COLOR TELEVISION

FOUR-WAY POWER
AC/DC OPERATION

SERIAL NO. ____________

For future reference, record here the serial number located on the rear of the unit.

OWNER'S MANUAL

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HOW TO GET THE UTMOST ENJOYMENT FROM YOUR NEW TMK 755C COLOR TV SET

Your new **TMK** Color TV incorporates a host of features designed to give you excellent performance if you follow the instructions in this manual. We recommend that you read the following instructions and safety points notice before turning on your TV for the first time.

INSTALLATION

LOCATION .... Select an area where sunlight of bright indoor illumination will not fall directly on the picture screen. Also, be sure that the location selected allows a free flow of air to and from the both sides and top of the set.

ANTENNA .... Unless your TV is connected to a cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for the best performance. However, if you are located in an exceptionally good signal area that is free from interference and ghost condition, an indoor antenna may be sufficient.

VIEWING POSITION.. This color receiver may be viewed from any desired distance. Most viewers prefer a distance of three to six feet or more, depending on screen size for maximum eye comfort.

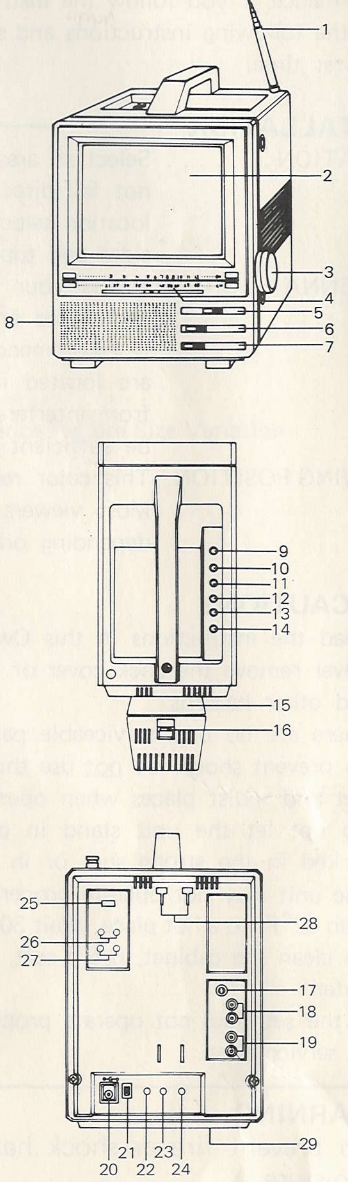
PRECAUTIONS

1. Read the instructions in this Owner's Manual for proper use of your **TMK** 755C.
2. Never remove the back cover of the set as this can expose you to very high voltage and other hazards.
3. There are no user serviceable parts inside the receiver.
4. To prevent shock, do <u>not</u> use this unit in a bathroom, on a kitchen sink or other wet and moist places when operating on AC current.
5. Do not let the unit stand in direct sunlight, extreme heat (above 130°F), cars parked in the strong sun, or in humid locations.
6. The unit may not operate properly if moved quickly from an extremely cold (less than 32°F) to a hot place. Wait 30 minutes before operating the unit.
7. To clean the cabinet, use a soft, lint-free cloth dampened with mild detergent and water.
8. If the set does not operate properly, unplug the set and consult with your dealer or service shop.

WARNING
To prevent fire or shock hazard, do not expose this unit to rain or moisture.

YOUR COLOR TELEVISION CONTROLS

1. Telescopic Rod Antenna
2. TV Screen
3. Tuning Control
4. Channel Indicator Window
5. Volume Control
6. VHF/UHF Selector Switch
7. Power Switch
8. Earphone Jack
9. Brightness Control
10. Contrast Control
11. Color Control
12. Hue (Tint) Control
13. Auto Color Push Switch
14. AFT (Auto Fine Tuning) Switch
15. AC Adaptor
16. Demounting Lever
17. TV/Video Conversion Switch
18. VIDEO/AUDIO Input Jacks
19. VIDEO/AUDIO Output Jacks
20. DC 12V Socket
21. Charge/Normal Switch
22. Degaussing Switch
23. Vertical Hold Control
24. Horizontal Hold Control
25. External/Rod Antenna Selector
26. VHF External Antenna Terminals
27. UHF External Antenna Terminals
28. AC Adaptor Holders
29. Battery Compartment (Bottom)



POWER SUPPLY – 4 DIFFERENT SOURCES

The TMK 755C operates from four different power sources: standard AC current (120V, 60Hz); 10 D-Cell batteries; car battery (12V); or optional rechargeable battery pack.

Note: The CHARGE-NORMAL switch (21) must be in NORMAL position when operating from any of the power sources. The CHARGE position is used only when charging the rechargeable batteries in the optional rechargeable battery pack.

STANDARD AC OPERATION (120V)

Use the AC ADAPTOR Model No. AD-8055 supplied with the unit. Connect the end of the cord with the male connector to the DC 12V socket (20) on the unit; plug in the other end to any standard 120V 60Hz AC outlet (house current).

Note: Connecting to the DC 12V socket (20) on the unit automatically disconnects any other power supply.

D-CELL BATTERY OPERATION

The battery compartment (29) is located at the bottom of the unit. Open the compartment by sliding the cover off in the direction of the arrows. Insert 10 D-Cell batteries, positioning them in accordance with the diagram provided in the compartment. Incorrect positioning as to plus and minus polarity may damage the unit. Replace compartment cover.

Note: To operate the unit on batteries, the AC adaptor output power plug must be removed from DC 12V socket (20) on the unit.

CAR BATTERY OPERATION (12V DC)

By using the DC power cord supplied with the unit, you may operate the TMK 755C from the cigarette lighter socket in any car that utilizes a negative ground system. Connect the male end of the cord to the DC 12V socket (20) on the unit instead of the male connector plug from the AC Adaptor. Then insert the cigarette-lighter plug on the other end into the cigarette-lighter socket.

RECHARGEABLE BATTERY PACK OPERATION

The optional Rechargeable Battery Pack Model OB0006-LA will be used with this unit instead of regular disposable D-cell batteries to attain economical operation.

To Install: Remove the battery compartment cover (as in D-Cell operation) and insert the battery pack. Be sure to plug the 2-pin Connector plug from the battery pack into the 2-pin socket located in the compartment.

To Charge: It is recommended that the battery pack be recharged before its use to restore any charge lost during shipment. Connect the AC Adaptor Output plug (as in AC operation) to the DC 12V socket (20) and slide the CHARGE/NORMAL switch (21) to CHARGE position. The unit may not be operated during charge period.

To Operate: After the battery pack is properly recharged, remove the AC Adaptor Output plug from the set and slide the CHARGE/NORMAL switch to NORMAL position.

Caution: Never let the Rechargeable Battery Pack discharged completely. Battery Pack needs recharging when the picture starts to shrink or roll. It is a good practice to recharge it after each use and once every three month even if it is not used during that period to avoid serious damages to the Battery Pack.

Note: Commercially available "D" size rechargeable battery can not be used and recharged with this set. Do not install those batteries to the set.

ANTENNA

Check the following table for the antenna providing the best reception.

Broadcasting		Reception in normal strength signal areas			Reception in weak signal areas	
		ANT. switch setting	Rod Ant.	To best reception	ANT. switch setting	Outdoor ANT. connection
TV	VHF	Rod Ant.	Effective	Extend the rod ant. and turn for best reception	Ext. Ant.	Connect VHF outdoor ant. to "VHF" terminal
	UHF	Rod Ant.	Effective	Extend the rod ant. fully and turn for best reception	Ext. Ant.	Connect UHF outdoor ant. to "UHF" terminal

Note: * WITH VHF RECEPTION, THE LENGTH OF THE ROD ANTENNA IS GENERALLY THE BEST AT COMPLETE EXTENSION ON CHANNELS 2 TO 6, SHORTENED FOR CHANNELS 7 TO 13.

* WHEN CONNECTING AN OUTDOOR VHF ANTENNA TO THE VHF EXTERNAL TERMINALS, DO NOT CONNECT AN OUTDOOR FM ANTENNA TO THESE TERMINALS AS IT WILL INTERFERE WITH TV RECEPTION. USE VHF OR VHF/UHF TYPE OUTDOOR ANTENNA ONLY FOR THESE TERMINALS.

STEP BY STEP OPERATION

STEP 1 To turn your receiver on, slide the Power ON/OFF Switch (7) to "ON" position. Slide the Switch to "OFF" position to turn the receiver off.

STEP 2 Set the VHF/UHF Switch (6) to your desired band. Tune slowly to the desired station by using the Tuning Control (3).

STEP 3 Slide the Volume Control (5) to the desired volume level. To increase volume, slide this knob to the right.

STEP 4 HUE (TINT): The HUE control (12) determines how faithfully the colors in the transmitted signal are reproduced by the receiver. Adjusting the control for natural facial tone is the best method of obtaining true color reproduction of the entire picture.

Too much Purple

Too much Green

STEP 5 COLOR: The Color control (11) sets the intensity of the colors. This control should be set to where the colors appear normal in intensity and brilliance to you. Some programs may not be transmitted in color, if so, you cannot add color by adjusting this control.

Too little Color

Too much Color

STEP 6 BRIGHTNESS: When the Brightness control (9) knob is turned clockwise (right), the darker portions of the picture are lightened.

STEP 7 CONTRAST: Contrast control (10) is a knob which can adjust contrast, brightness and color all at once. When turned clockwise (right) contrast becomes greater and color deeper. Set this control to your preference.

Daytime

Ideal Picture

Night

STEP 8 VERTICAL HOLD (23): If the picture is moving up or down ("rolling") adjust the Vertical Hold control until the picture stops rolling.

HORIZONTAL HOLD (24): If the picture breaks up into diagonal bars, adjust H. Hold control located beside the V. Hold control. Turn the control in the direction that reduces the number of bars across the screen until bars disappear and picture is steady.

STEP 9 AUTO SWITCH (13): If this button is depressed, the Hue and Color will be set at the factory pre-adjusted level. At this position, rotating the Hue and Color control will have no effect.
Release the button for manual Hue and Color control to your preference.

STEP 10 AFT SWITCH (14): Tune to a station with this AFT switch at its "OFF" position. After tuned to the desired station, depress this switch to obtain optimum tuning point automatically.

STEP 11 TV/VIDEO CONVERSION SWITCH (17): If you wish to use this television as a monitor for your video tape recorder or computer, connect proper connection cables supplied with your VCR or computer to VIDEO/AUDIO Input Jacks (18). Depress this switch to VIDEO position to switch-over from TV reception to VIDEO operation.
CAUTION: Before making needed connection to the set, read all instructions come with your VCR or Computer.

STEP 12 EARPHONE JACK (8): Insert the earphone plug (provided) into earphone jack for the private listening.

STEP 13 DEGAUSSING SWITCH (22): A poor color picture may appear on the screen because of magnetic influences caused by moving your set or by electrical appliance operating near the set.
To demagnetize the picture tube, push the DEGAUSS button at the antenna terminal while the set is operating.

RECEPTION DISTURBANCE (no cause for alarm)

The most common type of television disturbances are as follows:

* IGNITION

Black spots or horizontal streaks may appear, picture may flutter or drift. Usually caused by interference from automobile ignition system, neon lamps, electrical drills and other electrical appliances.

* GHOSTS:

Ghosts are caused by the television signal following two paths. One is the direct path and the other is reflected from tall buildings, hills or some other objects. Changing the direction or position of the antenna may improve the reception.

* SNOW:

If your receiver is located in the fringe area of a television station where the signal is weak, your picture may be marred by the appearance of small dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the picture.

* RADIO FREQUENCY INTERFERENCE:

The interference produces moving ripples or diagonal streaks, and in some cases, causes loss of contrast in the picture.

* PICTURE SIZE VARIATION

A slight picture size variation is quite normal when you adjust Contrast or Brightness control or operate the set from the car battery.

TROUBLE SHOOTING GUIDE

CHECK HERE BEFORE CALLING FOR SERVICE

CHECK THESE ITEMS AND TRY THESE ADJUSTMENTS

CHECK THESE ITEMS AND TRY THESE ADJUSTMENTS / SYMPTOMS	No picture, no sound	Sound OK, poor picture	Picture OK, poor sound	Picture blurred	Lines or streaks in picture	Poor reception on some channels	Picture rolls vertically	No color	Poor color
Be sure power cord is plugged in	●								
Charge/Normal switch is at NORMAL position.	●								
TV/VIDEO switch is at TV position	●								
Be sure TV is switched "ON"	●								
Try another channel (station trouble)	●	●	●	●	●	●	●	●	●
Check battery condition	●	●		●	●	●	●	●	●
Check antenna connections (back of TV)	●	●		●	●	●		●	●
Check antenna for broken lead-in wire	●	●		●	●	●		●	●
Check outside antenna	●	●		●	●	●		●	●
Check for local interference		●	●	●	●	●	●		
Adjust Fine Tuning	●	●	●	●	●	●		●	●
Adjust Vertical Hold control							●		
Adjust Contrast control		●							
Adjust Brightness control		●							
Adjust Color control								●	●
Adjust Hue control									●
Adjust Volume control			●						
Adjust telescopic antenna		●		●	●	●		●	●

* FOR SERVICE, PLEASE REFER TO THE ACCOMPANIED WARRENTY CARD

SPECIFICATIONS

System:	American Standard System and NTSC Color System
Picture Tube:	5.1 inch, picture measured diagonally, 55 degree deflection
Frequency Range:	VHF: 2 – 13 channels UHF: 14 – 83 channels
Intermediate Frequency:	Picture: 45.75 MHz Sound: 41.25 MHz Color: 42.17 MHz
Maximum Sensitivity:	VHF: 15 μV UHF: 15 μV
Tuner:	Electronics Tuner
Antenna:	VHF/UHF: Telescopic Rod Antenna and 300 ohm External Antennas
Power Supply:	DC: 10X "D" Cell Batteries 12V Car Battery Rechargeable Battery Pack (OB0006-LA) AC: 120V, 60Hz
Audio Output Power:	400m Watt
Audio Output Impedance:	32 ohm
Audio Frequency Response:	250 – 4000Hz
Audio Total Harmonic Distortion:	3 %
Semiconductors:	Transistors: 28 IC: 6 Diodes: 48
Speaker:	9 x 5 cm Permanent Magnet Dynamic Speaker
Dimensions (knob, handle excluded):	155mm (W) x 191mm (H) x 281mm (D) 6 1/8" (W) x 7 1/2" (H) x 11 1/16" (D)
Weight (unit only):	3.3 kg 7.2 Lbs.

Specifications may be changed without notice.